**Title:** A Novel Brominated Alkaloid Securidine A, Isolated from the Marine Bryozoan *Securiflustra securifrons*

**Supplementary materials:** 1D NOE, 13C-NMR, HMBC, ME-HSQC, H2BC, COSY and ROESY correlations of compound Securidine A **(1)**

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**Figure S1.** 1D NOE spectrum of securidine A (**1**)

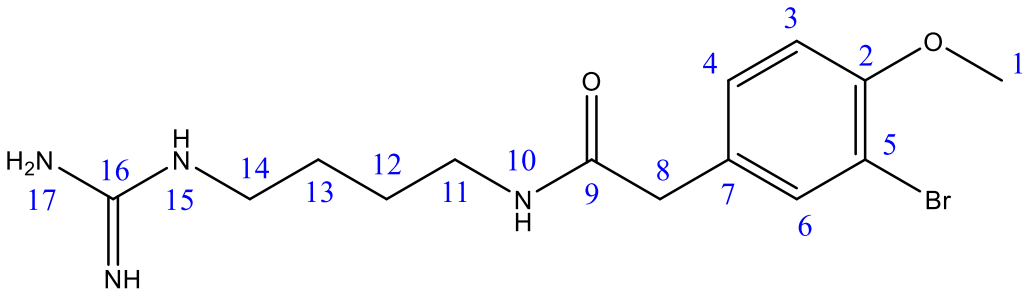
**Figure S2.** 13C-NMR spectrum of **1**.

**Figure S3.** Combined HSQC and HMBC spectra of **1**.

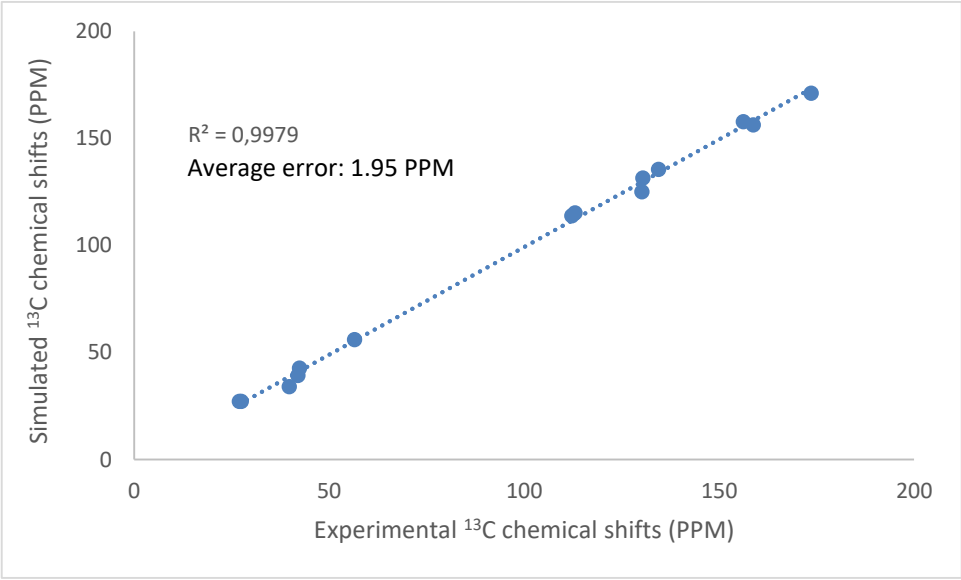
**Figure S4.** H2BC spectra of **1**

**Figure S5.** COSY Spectrum of **1**.

**Figure S6.** ROESY spectrum of **1**.




Chemical Formula: $C_{14}H_{21}BrN_4O_2$
Exact Mass: 356,08

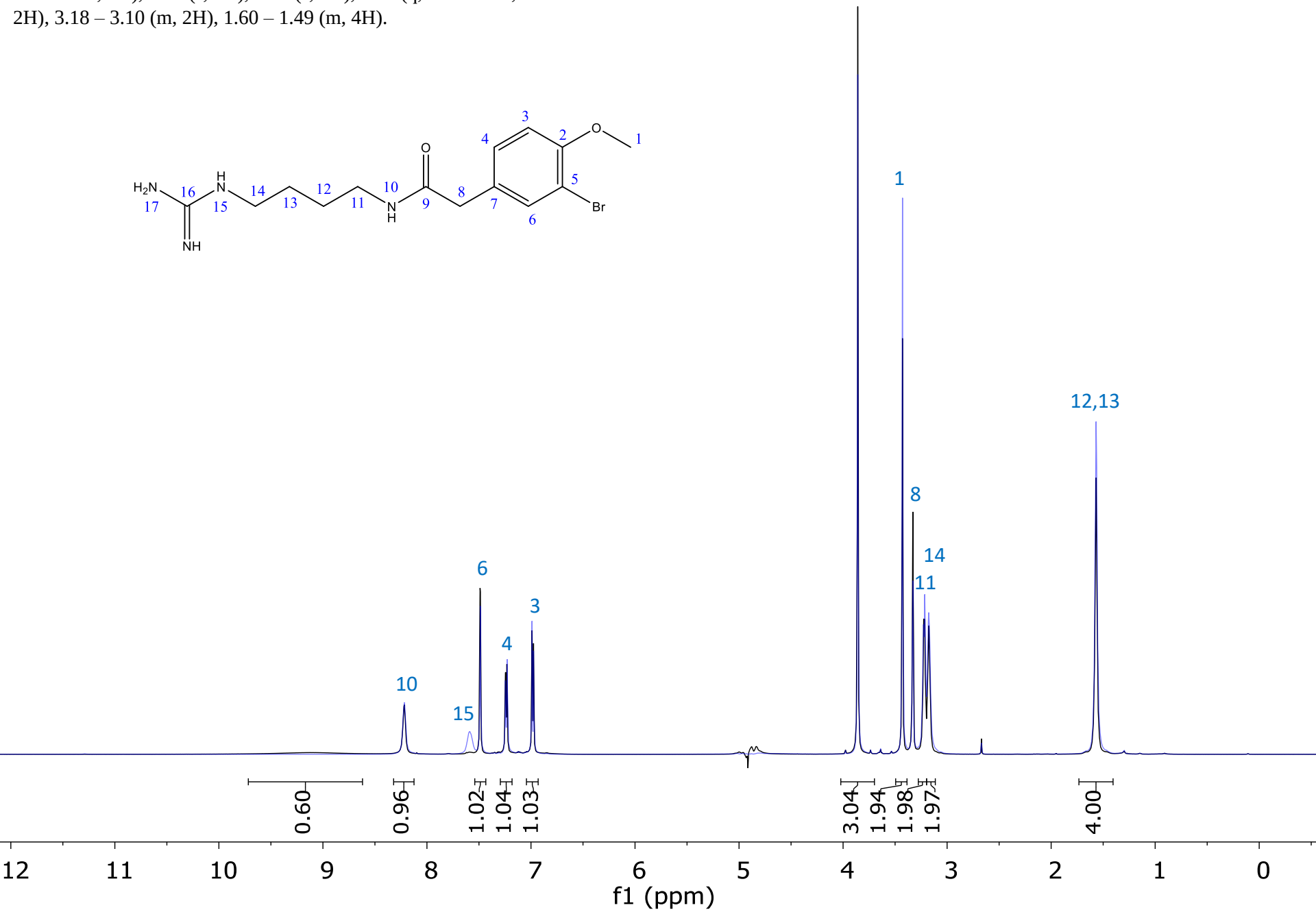


$^1$H NMR (600 MHz, Methanol-$d_4$) δ 8.20 (s, 1H), 7.57 (s, 1H), 7.47 (d, $J$ = 2.3 Hz, 1H), 7.22 (dd, $J$ = 8.6, 2.3 Hz, 1H), 6.96 (d, $J$ = 8.8 Hz, 1H), 3.84 (s, 3H), 3.41 (s, 4H), 3.20 (q, $J$ = 6.4 Hz, 2H), 3.18 – 3.10 (m, 2H), 1.60 – 1.49 (m, 4H).

1D NOE + ES

methanol-$d_3$, 298 K

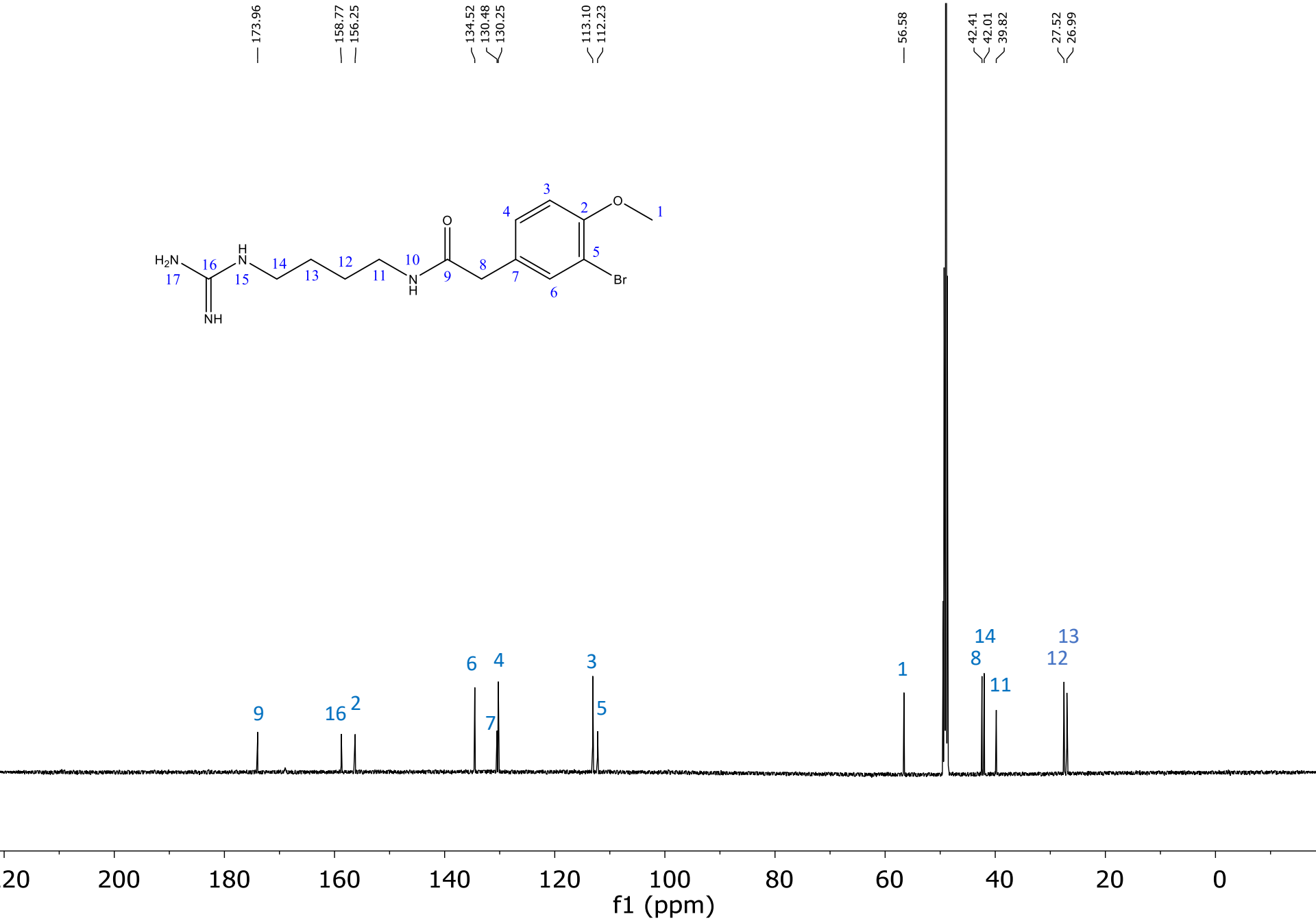


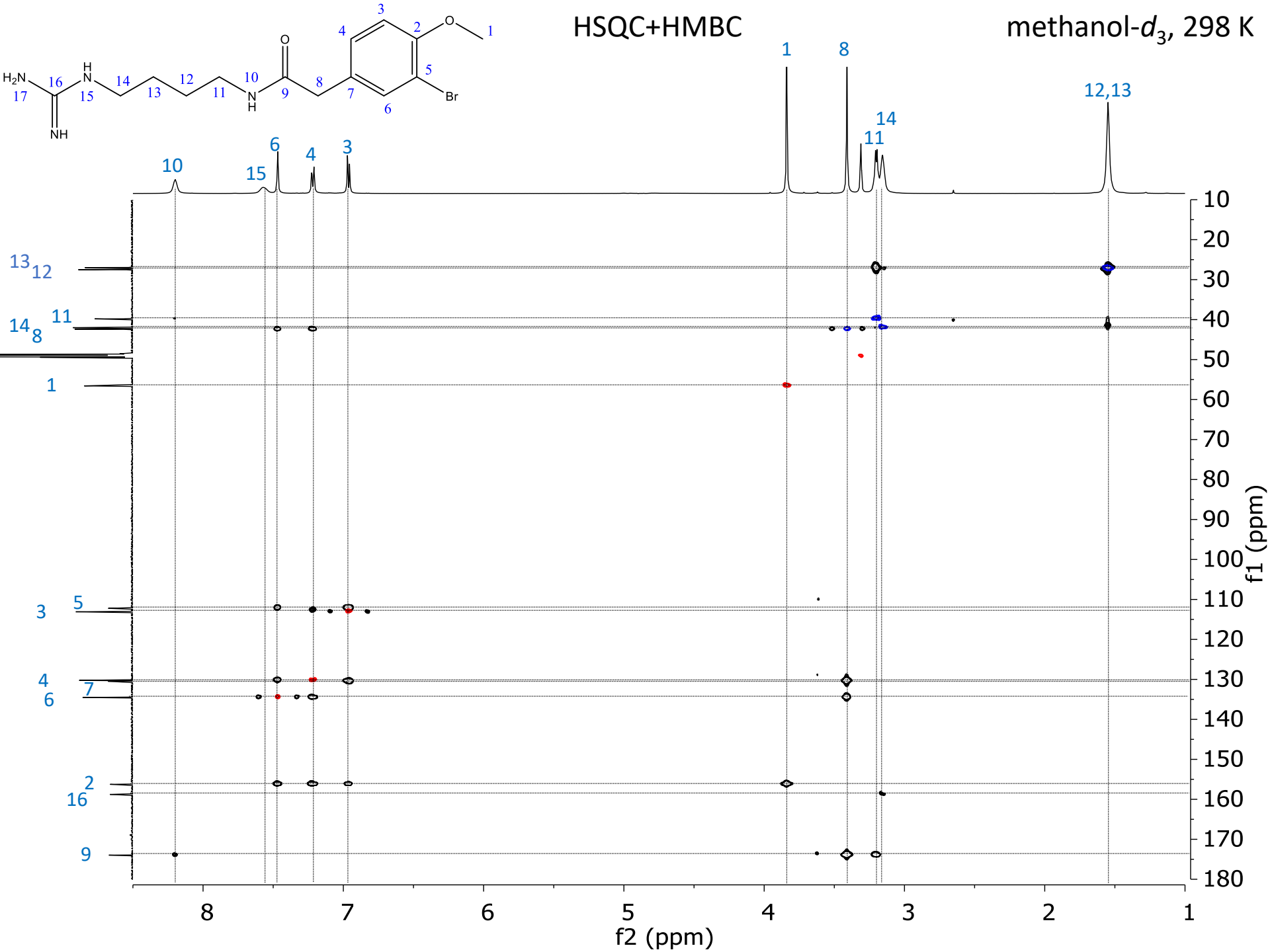



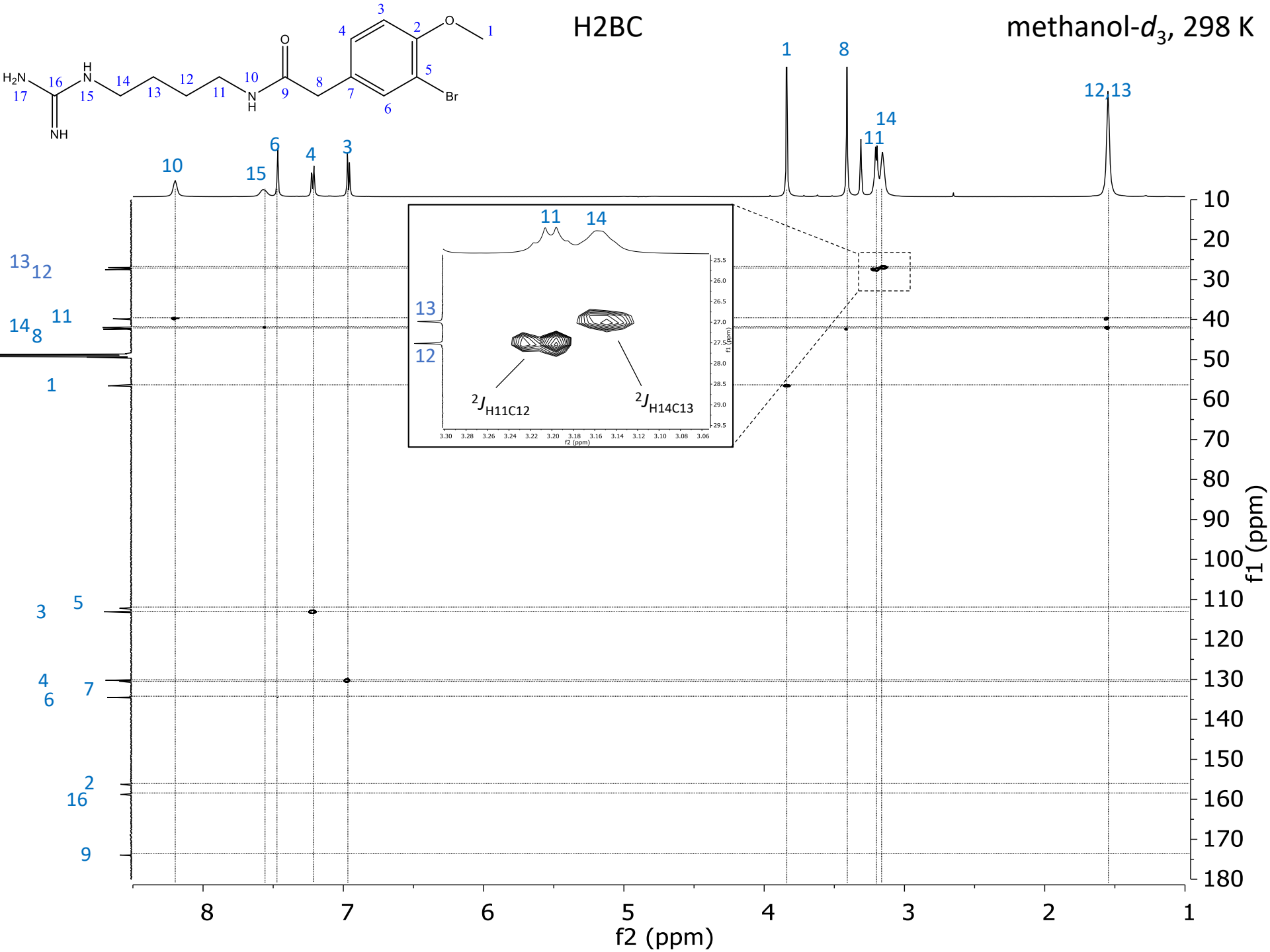
$^{13}$C NMR (151 MHz, MeOD) δ 173.96, 158.77, 156.25, 134.52, 130.48, 130.25, 113.10, 112.23, 56.58, 42.41, 42.01, 39.82, 27.52, 26.99.

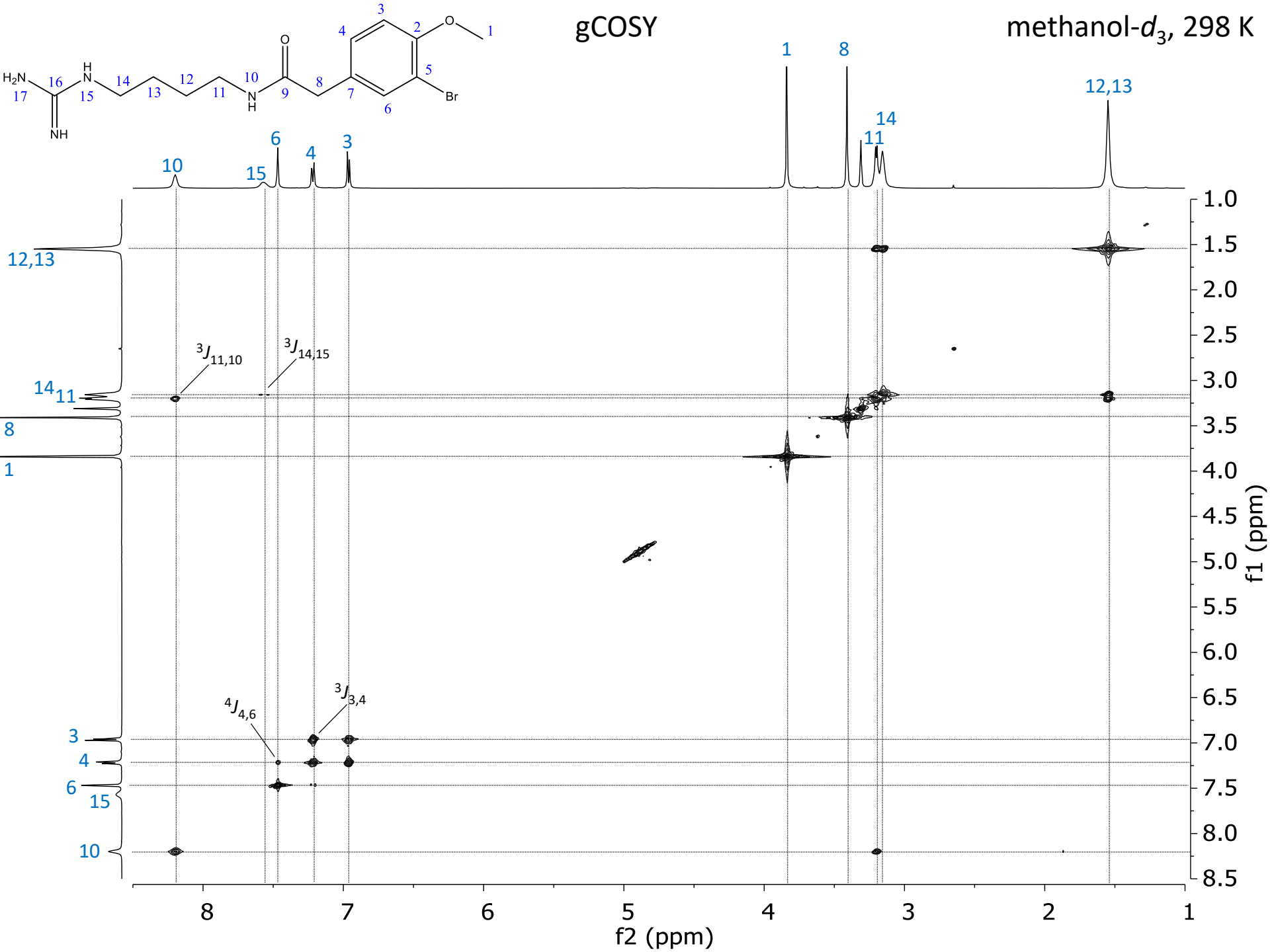
CARBON

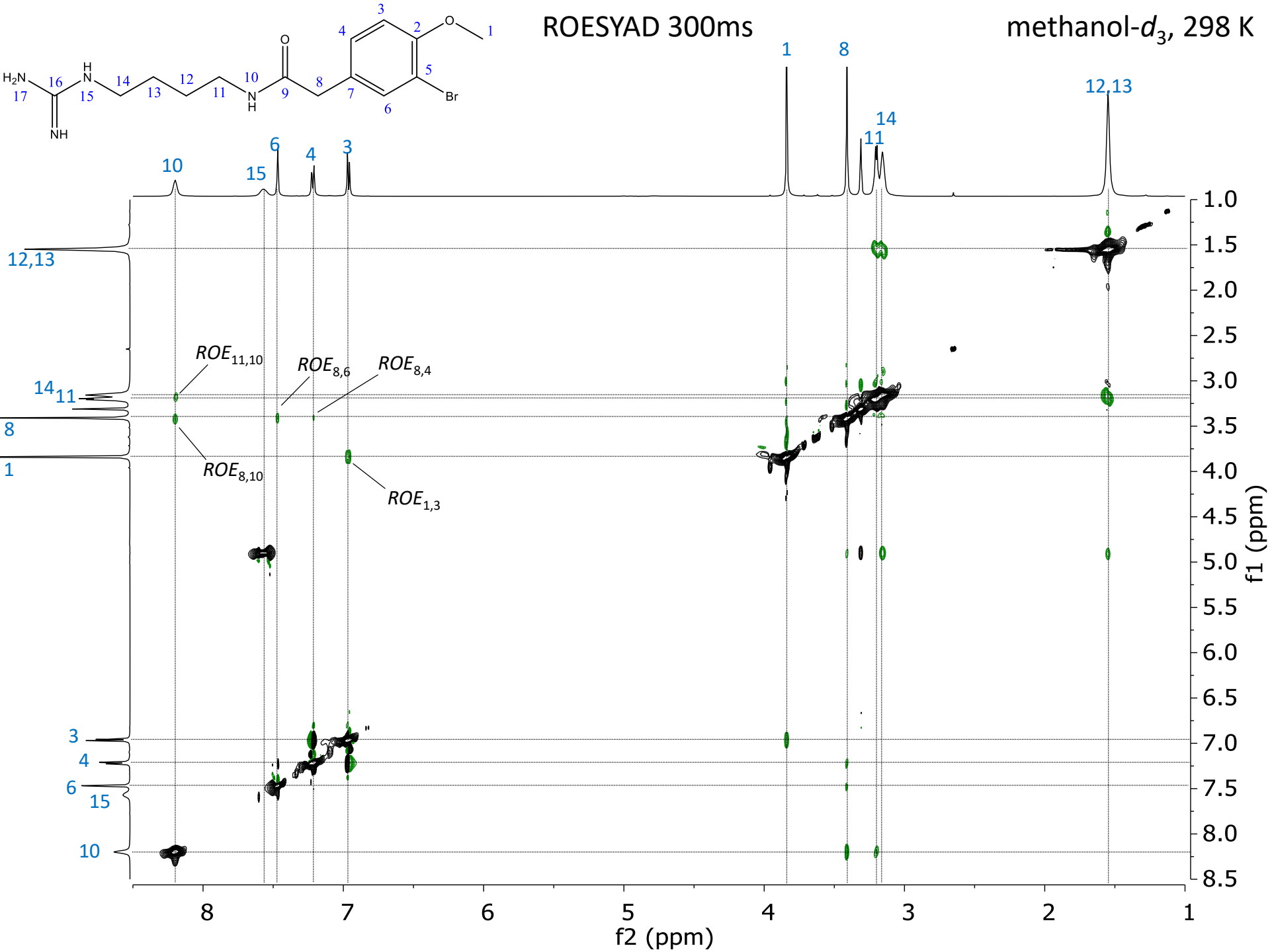
methanol-$d_3$, 298 K




HSQC+HMBC
methanol-$d_3$, 298 K
f2 (ppm)
f1 (ppm)


H2BC
methanol-$d_3$, 298 K
f2 (ppm)
f1 (ppm)
$^2J_{H11C12}$
$^2J_{H14C13}$


gCOSY
methanol-$d_3$, 298 K
f2 (ppm)
f1 (ppm)
$^3J_{11,10}$
$^3J_{14,15}$
$^4J_{4,6}$
$^3J_{3,4}$


ROESYAD 300ms
methanol-$d_3$, 298 K
$ROE_{11,10}$
$ROE_{8,6}$
$ROE_{8,4}$
$ROE_{8,10}$
$ROE_{1,3}$
f2 (ppm)
f1 (ppm)